

**GOVERNMENT OF INDIA  
POWER  
LOK SABHA**

UNSTARRED QUESTION NO:1393  
ANSWERED ON:11.03.2005  
DECLINE IN HYDRO POWER GENERATION  
Sajjan Kumar Shri

**Will the Minister of POWER be pleased to state:**

- (a) whether power generation has declined due to decrease in water level of the rivers in the country during the last few years;
- (b) if so, the details thereof along with the percentage of decrease in power generation due to short fall in water level;
- (c) the details of the rivers of whose water level is decreasing; and
- (d) the steps being taken to overcome the problem?

**Answer**

THE MINISTER OF POWER ( SHRI P.M. SAYEED )

(a) to (d) : Production of electricity from hydro power stations depends on water availability which in turn depends on the extent of rainfall in the catchment as also the snowfall for stations on the snowfed Himalayan rivers. In case of hydro stations on some of the rivers in Central and Southern Regions, the progressive decline in water availability at HE stations results from upstream multipurpose utilization of water. The aspect of the variation in water availability at hydro stations is taken into consideration at the planning / design stage of power stations. The low water availability was experienced during the last few years due to poor monsoons in the country as also lesser snowfall during the year 2003-04.

The trend in production of electricity from hydro power stations in the country during last five years has been mixed. Region wise / All India hydro generation for five years is given at Annexure.

The actual generation of electricity from HE Stations during the period 2004-05 (upto February, 2005) is more than the actual generation during the corresponding period of 2003-04 by 9864 MU (i.e. 14.5% ) and generation during 2003- 04 is more than that during 2002-03 by 9941 MU (15.6%).

**ANNEXURE**

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO.1393 TO BE ANSWERED IN THE LOK SABHA ON 11.03.2005.

ALL INDIA HYDRO GENERATION PERFORMANCE DURING 2000-01 TO 2004-05

**ANNEXURE**

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO.1393 TO BE ANSWERED IN THE LOK SABHA ON 11.03.2005.

ALL INDIA HYDRO GENERATION PERFORMANCE DURING 2000-01 TO 2004-05

REGION/STATE    2000-01    2001-02    2002-03    2003-04    2004-05 (upto Feb.05)

**UTILITY**

REGION-WISE GENER- % of GENER- % of GENER- % of GENER- % of ACT. GEN % of  
ATION Gen. ATION Gen. ATION Gen. ATION Gen. (upto gen. Over  
(MU) over (MU) over (MU) over (MU) over Feb.05) of corres-  
Prev- Prev- ` Prev- Prev- Previous ponding  
ious ious ious ious Year period  
year year year year

ALL INDIA 74481 92.4 73940 99.3 63834 86.3 73775 115.6 77880 114.5  
NORTHERN 29126 91.7 29233 100.4 30221 103.4 37288 123.4 33264 96.2  
WESTERN 7072 79.3 7796 110.2 8063 103.4 9393 116.5 9705 112.2

|               |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SOUTHERN      | 30283 | 93.6  | 26917 | 88.9  | 18465 | 68.6  | 16670 | 90.3  | 23083 | 152.4 |
| EASTERN       | 5809  | 103.3 | 7828  | 134.8 | 4487  | 57.3  | 7304  | 162.8 | 7715  | 116.4 |
| NORTH EASTERN | 2191  | 111.3 | 2166  | 98.9  | 2598  | 119.9 | 3120  | 120.1 | 4113  | 136.9 |